

Appl. No.: 10/693,154
Reply to Office Action of dated October 4, 2005

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Amendments to the Claims:

1. (amended) An office chair mounted on a movable base having an armrest that can be raised and lowered pivotable in a horizontal plane comprising

a) said office chair having a back;

b) a bracket mounted on the back of said office chair at least about six inches above the plane of the top of the seat of said office chair, said bracket having a cavity adapted to be attached to an armrest support arm;

c) a vertical pivot axis attached to said bracket; an armrest support having a first portion rotatably mounted within said bracket cavity and a second portion extending from said bracket to a position selected from the group consisting of the right and the left of a user wherein said user is positioned on the seat of said office chair and is facing away from the back of said chair;

d) ~~attached to said vertical pivot axis~~ an armrest body mounted on the end of said armrest support distal to said bracket; and

e) a rotation lock which, when engaged, prevents said armrest support from rotating within said bracket, said rotation lock mounted in said bracket. ~~mechanism for securing said armrest in a fixed position in the horizontal plane of movement.~~

2. (original) A method of adjusting the vertical position of an armrest comprising the steps of:

a) raising the distal end of the armrest to an altitude greater than the altitude of the medial end of said armrest;

b) repositioning said armrest; and

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- c) releasing said distal end in a manner effective to return said distal end to an altitude substantially the same as said medial end of said armrest.
3. (original) A method of adjusting the vertical position of an armrest comprising the steps of:
- a) positioning said armrest; and
 - b) releasing said armrest in a manner effective to engage a locking mechanism that holds said armrest in the position it was placed.
4. (amended) A chair with an adjustable arm ~~for a chair~~ comprising:
- a) a support for a back of said chair connected to a base of said chair;
 - b) a bracket mounted on said back support;
 - c) a first link pivotally mounted to said bracket mounted on said back support;
 - d) a second link pivotally mounted to said bracket mounted on said back support;
 - e) a second bracket pivotally mounted to the ends of said first and said second links at the end of each link distal to the bracket mounted on said back support; and
 - f) an armrest body mounted to said second bracket
- wherein said armrest body maintains an orientation substantially parallel to the seat of said chair.
5. (amended) The chair with an adjustable arm ~~for a chair~~ of claim 4 further comprising a locking mechanism at the interface between (a) one of said links mounted to the bracket mounted on said back support and (b) said second bracket .
6. (amended) The chair with an adjustable arm ~~for a chair~~ of claim 4 further comprising:
- a) a third bracket mounted on said back support;
 - b) a third link pivotally mounted to said third bracket;

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- c) a fourth link pivotally mounted to said third bracket;
 - d) a fourth bracket pivotally mounted to the ends of said third and said fourth links at the end of each link distal to the third bracket; and
 - e) a second armrest body mounted to said fourth bracket.
7. (amended) The chair with an adjustable arm for a chair of claim 4 further comprising a slider-crank joint at the interface between one link and one bracket.
8. (amended) A chair with an adjustable arm for a chair comprising:
- a) a parallel arm mechanism mounted at a first end to a back support of said chair;
 - b) said parallel arm mechanism mounted at a second end to an armrest body wherein said armrest body maintains an orientation substantially parallel to the seat of said chair.
9. (amended) The chair with an adjustable arm of claim 8 further comprising a locking mechanism.
10. (amended) An office chair with a moveable armrest comprising
- a) a bracket ~~adapted to be~~
 - (1) fixedly mounted to a chair back at a point that is at least about 6 inches above a rear portion of a seat of said chair and positioned behind a user's back;
 - (2) ~~attached to an armrest support arm;~~
 - b) an armrest support arm rotatably attached to a horizontal-pivot axis attached to said bracket for raising and lowering an armrest body mounted on an end of said armrest support arm distal to said bracket; and
 - c) ~~an armrest support rotatably attached to a said horizontal-pivot axis; and~~
 - d) a mechanism for securing said armrest ~~in a fixed position in the horizontal plane~~

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of movement at a fixed height.

11. (amended) The chair with an adjustable arm ~~for a chair~~ of claim 4 further comprising said bracket mounted on said back support being at least about 6 inches above a rear portion of the seat of said chair.
12. (amended) The chair with an adjustable arm ~~for a chair~~ of claim 8 further comprising said bracket mounted on said back support being at least about 6 inches above a rear portion of the seat of said chair.
13. (previously amended) A method of adjusting the vertical position of an armrest comprising, in a chair in which the distal end of the armrest is the end of the armrest closest to the user's fingertips when the user sits in the chair in a conventional manner, the steps of:
 - a) raising the distal end of the armrest to an altitude greater than the altitude of the medial end of said armrest;
 - b) repositioning said armrest; and
 - c) releasing said distal end in a manner effective to return said distal end to an altitude substantially the same as said medial end of said armrestwherein the raising, repositioning, and releasing movement of said armrest is within an arc of less than 45°.
14. (previously amended) An office chair with an adjustable arm comprising:
 - a) a pedestal mounted to a base of said chair said pedestal having a plurality of arms near the end of said pedestal furthest from said base;
 - b) a support for a back of said chair connected to said chair base;
 - c) a bracket mounted on said back support;

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- d) a first link pivotally mounted to said bracket mounted on said back support;
 - e) a second link pivotally mounted to said bracket mounted on said back support;
 - f) a second bracket pivotally mounted to the ends of said first and said second links at the end of each link distal to the bracket mounted on said back support; and
 - g) an armrest body mounted to said second bracket.
15. (previously added) An office chair according to claim 14 in which said brackets and links maintain said armrest body in an orientation substantially parallel to the seat of said chair.
16. (previously added) A method of adjusting the vertical position of an armrest comprising the steps of:
- a) raising the end of the armrest closest to a user's fingertips to an altitude greater than the altitude of the end of said armrest to said user's elbow;
 - b) repositioning said armrest; and
 - c) releasing said distal end in a manner effective to return said distal end to an altitude substantially the same as said medial end of said armrest.